

Substitute for form 1449 A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number : 09/868,689

Filing Date: 02/08/1999

First Named Inventor: Nichols

Group Art Unit: ~~2121~~Examiner Name: ~~John R~~

Attorney Docket Number: 05222.00163

(Use as many sheets as necessary)

Sheet 1 of 14**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,622,013	11/11/1986	Cherchio	
		US-4,874,784	10/17/1989	Clancey	
		US-4,881,766	01/02/1990	Derr, et al.	
		US-4,931,950	06/05/1990	Isle, et al.	
		US-4,964,077	10/16/1990	Eisen, et al.	
		US-4,977,529	12/11/1990	Gregg, et al.	
		US-5,002,491	03/26/1991	Abrahamson, et al.	
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		US-5,317,688	05/31/1994	Watson, et al.	
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		US-5,350,701	10/25/1994	Chiang, et al.	
		US-5,372,607	12/13/1994	Goleh	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP-0 680 132 A2	12/27/95	Laffra		
		EP-0 710 942 A2	05/08/96	Siefert		
		EP-0 710 942 A2	05/08/96	Siefert		
		EP-0 798 655 A2	10/01/97	Jervis, et al.		
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		WO 97/44766	11/27/97	Cook		
		WO 98/03963	01/29/98	Simmons		
		WO 98/25261	06/11/98	Ho		
		WO 98/32109	07/23/98	De Lange		

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Group Art Unit: ~~pta~~ 2121

Examiner Name: ~~pta~~ H. J. C.

Attorney Docket Number: 05222.00163

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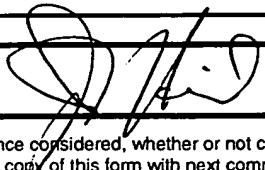
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		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/tois/59298.html	
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		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

Examiner Signature		Date Considered	10/16/03
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Group Art Unit: ~~21~~ 2121

Examiner Name: ~~wa~~ HylC

Attorney Docket Number: 05222.00163

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U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
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		US 5,441,415	08/15/1995	Lee, et al.	
		US 5,481,748	02/13/1996	Shilo, et al.	
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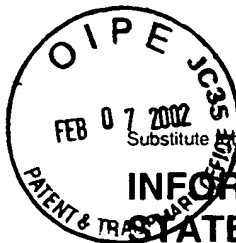
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Group Art Unit: ~~2121~~

Examiner Name: ~~2121~~ HPL

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		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
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		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

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		Number - Kind Code ² (if known)			
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		"Artificial Intelligence and Mathematics Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html	
		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html	
		"WITS: A Reusable Architecture for a VR-Based ITS" at http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html	
		"Brainmaker" at www.npiec.on.ca/~echoscan/28-04.htm	
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Group Art Unit: ~~na~~ 212

Examiner Name: ~~na~~ HILL

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		US 5,074,446	10/26/1999	Sonnenreich, et al.	
		US 5,087,443	11/16/1999	Nichols, et al.	
		US 6,003,031	12/14/1999	Zadik, et al.	
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		US 6,085,104	07/04/2000	Bertrand, et al.	

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		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995	
		"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	
		"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
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		Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	
		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Mangement Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
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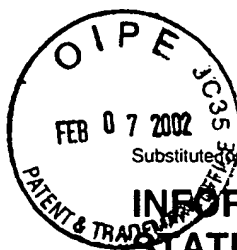
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Sheet 10 of 14

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Application Number : 09/868,689

Filing Date: 02/08/1999

First Named Inventor: Nichols

Group Art Unit: 2121

Examiner Name: Ma Hibel

Attorney Docket Number: 05222.00163

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		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
		"Interface design issue for advising giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31	
		"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997	
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		"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
		"Intelligent Tutoring Systems: An Overview" at http://www.intellectbooks.com/authors/lawler/its.htm	

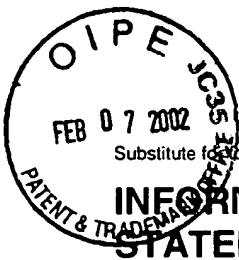
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 11 of 14

Application Number : 09/868,689

Filing Date: 02/08/1999

First Named Inventor: Nichols

Group Art Unit: 2121

Examiner Name: W. H. H.

Attorney Docket Number: 05222.00163

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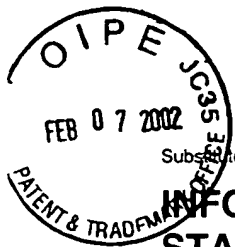
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		"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35	
		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
		"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934613-51-6.asp	
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		"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994	
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		"Simulation Technology and Parallelism in Learning Environments" at http://www.to.utwente.nl/prj/min/Book/chapter1.htm	

Examiner Signature		Date Considered	10/16/03
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STATEMENT BY APPLICANT**

Application Number: 09/868,689

Filing Date: 02/08/1999

First Named Inventor: Nichols

Group Art Unit: ~~n/a~~ 3121

Examiner Name: n/a

Attorney Docket Number: 05222.00163

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Sheet 12 of 14

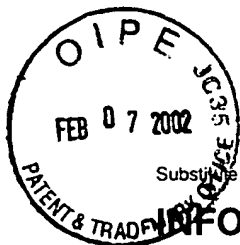
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		"Engines for Education" URL: http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html ; viewed Feb. 15, 1999.	
		"FinPlan System" at www.riai.org.ru/FinPlan/	
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		"Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	
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		"Decision Pro3.0" at www.vanguardsw.com/	

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Application Number : 09/868,689

Filing Date: 02/08/1999

First Named Inventor: Nichols

Group Art Unit: ~~2121~~

Examiner Name: ~~2121~~

Attorney Docket Number: 05222.00163

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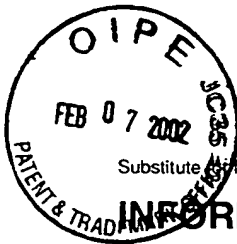
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		"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72, Dec. 1992.	
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		"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	

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First Named Inventor: Nichols

Group Art Unit: ~~2121~~Examiner Name: ~~aka~~ H. K. L.

Attorney Docket Number: 05222.00163

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		"Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

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